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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 08133911 A
(43) Date of publication of application: 28.05.1996

(51) Int. Cl. A01N 43/36
A01N 25/30
//A01N43/36, A01N59:14, A01N59:02, A01N63:00

(21) Application number: 06295844
(22) Date of filing: 04.11.1994

(71) Applicant: SENJU PHARMACEUT CO LTD
(72) Inventor: NAKAYAMA HISAYUKI
KIMOTO AKIHIRO
NISHIHATA SHUICHI
YAMAGUCHI MASAYO

(54) ANTIMICROBIAL COMPOSITION

(57) Abstract:

PURPOSE: To obtain an antimicrobial composition having strong antimicrobial activity in the form of an aqueous solution, capable of preventing growth of various kinds of microorganisms and being stored for a long period because of its long acting property of the action.

CONSTITUTION: This antimicrobial composition is obtained by blending a pyrrolidone compound, preferably 2-pyrrolidone or 2-pyrrolidone-5-carboxylic acid

with at least one kind of a substance selected from a group comprising a surfactant, boric acid or its salt, a chelating agent, thiosulfate and a proteolytic enzyme. The pyrrolidone compound is blended in an amount of ≥ 1 (W/V)%, preferably 5-60(W/V)%. A nonionic, anionic or amphoteric surfactant is effective as the surfactant and the blend amount is 0.01-10%. Blend amounts of boric acid or its salt (e.g. borax), the chelating agent (e.g. sodium edetate) and thiosulfate are each 0.1-1%, 0.05-0.5%, 0.0001-0.0005% and the proteolytic enzyme is preferably a protease derived from a microorganism and is used in a blend amount of 10-5000unit/ml.

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